FLEXIBLE CONNECTORS ARE NOT REQUIRED ON MECHANICAL TYPE GROOVED COUPLING SYSTEMS PROVIDING FLEXIBLE GROOVED COUPLINGS ARE INSTALLED AS RECOMMENDED

DO NOT INSTALL VALVES, STRAINERS, ETC., DIRECTLY AT

SUCTION SIDE OF PUMP IN OPEN PIPING SYSTEMS.

SUCTION NOZZLE OF END SUCTION PUMPS. THE SUCTION PIPING SHOULD BE STRAIGHT FOR THE NUMBER OF PIPE DIAMETERS NOTED. WHERE THIS IS NOT POSSIBLE, USE A SUCTION DIFFUSER (COMBINATION FLOW STRAIGHTENER AND DIFFUSER). 10. PRESSURE GAUGES ARE REQUIRED ON SUCTION AND DISCHARGE SIDE OF PUMP (DO NOT MANIFOLD) AND MAY BE LOCATED IN THE PIPING OR PUMP BODY. PROVIDE COMPOUND GAUGES ON

BY THE MANUFACTURER.

DRAWING DEVELOPED FOR ML-3/ ML-4 PROJECTS. FOR ML-1/ ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN IN-SERTED INTO A DRAWING PACK-

| 2  | 8-14-03  | U            | EDITORIAL CHANGES & DWG NO. WAS ST6120. |   |         |            |      |        | RF       | RR           | GG        | то  |  |
|--|--|--------------|---|---|---------|------------|------|--------|----------|--------------|-----------|-----|--|
| 1  | 9-6-02   | U            | GENERAL REVISION.                       |   |         |            |      |        | BB       | GG           | GG        | то  |  |
| NO   | DATE   | CLASS<br>REV | DESCRIPTION                             |   |         |            |      | DWN    | DSGN     | CHKD         | SUB       | APF |  |
|  | FACILITY & WASTE OPERATIONS DESIGN ENGINEERING CONSTRUCTION SERVICES |              |   |   |         |            |      |        |          |              |           |     |  |
| Е  | ENGINEERING STANDARDS MANUAL   |              |   |   |         |            |      |        | DRAWN    |              | R.PEARSON |     |  |
|  |  |              |   |   |         |            |      | DESIGN |          | B.BURTSCHELI |           |     |  |
| PUMP PIPING DETAIL<br>DESIGN NOTES                                       |  |              |   |   |         |            |      | CHE    | G.GREWAL |              | L         |     |  |
| BLDG X TA-X  |  |              |   |   |         |            |      | DA     | (TE      | 6-28-99      |           |     |  |
| SUBMITTED APPROVED FOR RELEASE   |  |              |   |   |         |            |      |        |          |              |           |     |  |
| DISCIPLINE POC: GURINDER GREWAL STANDARDS MANAGER: TO                    |  |              |   |   |         |            |      |        |          |              |           |     |  |
| _  | <u></u>  |              |   |   |         |            | SHEE | r      |          |              |           | 7   |  |
| LOS Alamos NATIONAL LABORATORY  Do Box 1663 Los Alamos, New Mexico 87545 |  |              |   |   |         |            |      | 7      | О        | -            | 8         |     |  |
|  | SIFICATION U   |              |   |   |         | LARRY BAYS |      |        | DATE     |              |           | _   |  |
| PROJE  | ECT ID   | APT          |   | _ | DRAWING | ∾<br>T−D30 |      |        |          |              | RE<br>2   |     |  |
|  |  |              |   |   |         |            |      |        |          |              |           |     |  |